



Launch Mission Execution Forecast

Vehicle: Falcon 9 Dragon CRS-14

Issued: 1 Apr 2018 1300 EDT(1700 UTC)

Valid: 2 Apr 2018 1627-1632 EDT (2027-2032 UTC)

Synoptic Discussion: Cloudiness associated with the decaying frontal boundary has diminished over Central Florida, allowing temperatures to climb into the 80s with a few very isolated rain showers. On Monday, the boundary will continue to dissipate along the Space Coast with partly cloudy conditions, but showers remain a risk. The primary weather concerns are flight through precipitation and cumulus clouds with the showers. Maximum upper-level winds will be from the northwest at 95 knots near 40,000 feet.

On Tuesday, the boundary will continue to dissipate, decreasing the rain threat, but clouds may remain. The primary weather concerns remain cumulus and thick cloud layers that may develop along the boundary. Maximum upper-level winds will be from the west at 80 knots near 40,000 feet.

<u>Clouds</u>	<u>Coverage</u>	<u>Bases (feet)</u>	<u>Tops (feet)</u>
Cumulus	Few	3,000	7,000
Alto cumulus	Scattered	10,000	13,000
Cirrostratus	Broken	25,000	27,000

Weather:	Isolated Rain Showers	Solar Activity:	Low
Surface Visibility:	7 miles	Pressure:	30.03 inHg
Liftoff Winds (MPH):	120° @ 10-15 (200')	RH:	60%
Temperature:	77°F		

Launch day probability of violating launch weather constraints: **20%**
Primary concern(s): Flight Through Precipitation, Cumulus Cloud Rule

Delay day probability of violating launch weather constraints: **20%**
Primary concern(s): Cumulus Cloud Rule, Thick Cloud Layer Rule

Sunrise: 2/0711 EDT
3/0710 EDT

Sunset: 2/1941 EDT
3/1942 EDT

Moonrise: 1/2100 EDT
2/2158 EDT

Moonset: 2/0846 EDT
3/0925 EDT

Illumination: 95%
89%

Next forecast will be issued: As Required